

What is Claimed is:

~~1. A method for inhibiting apoptosis of a cell comprising treating the cell with an effective amount of a Receptor Internalization and Degradation (RID) complex.~~

~~2. The method of claim 1 wherein the treating step comprises administering to the cell a polynucleotide encoding the RID complex and wherein the RID complex is expressed in the cell.~~

~~3. The method of claim 2 wherein the polynucleotide comprises a recombinant adenovirus vector.~~

~~4. The method of claim 3 wherein the recombinant adenovirus vector is 231-10.~~

~~5. The method of claim 3 wherein the cell expresses Fas, TNFR-1, DR3, TRAIL-R1, or TRAIL-R2.~~

~~6. The method of claim 5 wherein the cell is a leukocyte.~~

~~7. The method of claim 5 wherein the cell comprises a transplant tissue.~~

~~8. The method of claim 1 wherein the treating step comprises administering the RID complex to the cell.~~

~~9. The method of claim 8 wherein the RID complex is administered with a carrier which facilitates delivery of the RID complex into the cell.~~

~~10. A method for decreasing apoptosis of target cells in a patient comprising treating the patient with an effective amount of a Receptor Internalization and Degradation (RID) complex.~~

~~11. The method of claim 10 wherein the treating step comprises administering to the patient a polynucleotide encoding the RID complex and wherein the polynucleotide is internalized in the target cells and the RID complex is expressed.~~

~~12. The method of claim 11 wherein the polynucleotide comprises a recombinant adenovirus vector.~~

~~13. The method of claim 12 wherein the recombinant adenovirus vector is 231-10.~~

~~14. The method of claim 10 wherein the patient suffers from a degenerative disease or an immunodeficiency disease.~~

~~15. The method of claim 10 wherein the treating step comprises administering the RID complex to the patient.~~

~~16. The method of claim 15 wherein the RID complex is administered with a carrier which facilitates delivery of the RID complex into the cells.~~

~~17. A method for decreasing leukocyte apoptosis in a patient comprising:~~

- ~~(1) withdrawing leukocytes from the patient,~~
- ~~(2) treating the leukocytes with an effective amount of a RID complex, and~~
- ~~(3) administering the treated leukocytes to the patient.~~

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~~31~~ 19. The method of claim 18 wherein the polynucleotide comprises a recombinant adenovirus vector.

20. The method of claim 19 wherein the recombinant adenovirus vector is 231-10.

~~21. The method of claim 17 wherein the treating step comprises administering the RID complex to the leukocytes.~~

22. The method of claim 21 wherein the RID complex is administered with a carrier which facilitates delivery of the RID complex into the leukocytes.

~~23. A composition comprising a Receptor Internalization and Degradation (RID) complex and a carrier suitable for facilitating delivery of the RID complex into a cell.~~

24. A recombinant adenovirus comprising a polynucleotide encoding a Receptor Internalization and Degradation (RID) complex operably linked to a promoter, wherein the adenovirus is replication defective and wherein the polynucleotide is expressed upon infection of a eukaryotic cell with the adenovirus.

25. The recombinant adenovirus vector of claim 24 consisting of 231-10.

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